

CLAIM AMENDMENTS

Claim 1 (currently amended):

A woodworking machine comprising:

a support frame;

a motor supported by the frame;

a cutting tool supported by the frame and moveable by the motor;

a detection system adapted to detect contact a dangerous condition

between a person and the cutting tool;

a brake component adapted to engage and stop movement of the cutting tool, where the brake component has a ready position spaced apart from the cutting tool; and

an actuator having stored energy sufficient to move the brake component from the ready position into engagement with the cutting tool within approximately 3 milliseconds or less after contact between a person and the cutting tool the dangerous condition is detected.

Claim 2 (cancelled).

Claim 3 (original):

The machine of claim 1, where the actuator includes a spring adapted to move the brake component into engagement with the cutting tool within approximately 3 milliseconds or less.

Claim 4 (original):

The machine of claim 3, further comprising a housing removably coupled to the frame, where the spring and the brake component are mounted within the housing.

Claim 5 (cancelled).**Claim 6 (withdrawn):**

The machine of claim 1, where the spacing between the brake component and the cutting tool is at least 1/8-inch when the brake component is in the ready position.

Claim 7 (withdrawn):

The machine of claim 1, where the spacing between the brake component and the cutting tool is at least 1/4-inch when the brake component is in the ready position.

Claim 8 (cancelled).**Claim 9 (withdrawn - currently amended):**

The machine of claim 1, where the actuator is adapted to move the brake at an acceleration of over 500 ft/s² when the detection system detects contact between the person and the blade the dangerous condition.

Claim 10 (withdrawn - currently amended):

The machine of claim 1, where the actuator is adapted to move the brake at an acceleration of over 2000 ft/s² when the detection system detects contact between the person and the blade the dangerous condition.

Claim 11 (withdrawn):

The machine of claim 9, where the actuator includes one or more springs adapted to move the brake into contact with the blade.

Claim 12 (withdrawn):

The machine of claim 11, where the one or more springs are adapted to apply at least 50 lbs. of force to move the brake into contact with the blade.

Claims 13-18 (cancelled).

Claim 19 (currently amended):

A woodworking machine, comprising:
a cutting tool adapted to cut workpieces;
means for driving the cutting tool;
means for detecting contact a dangerous condition between a person and the cutting tool;
a brake component spaced apart from the cutting tool; and
means for moving the brake component into contact with the cutting tool within 3 milliseconds or less after contact between a person and the cutting tool the dangerous condition is detected.

Claim 20 (cancelled).

Claim 21 (withdrawn):

The machine of claim 1, wherein the cutting tool includes a circular blade having an outer perimeter, and further wherein the brake component is adapted to engage the outer perimeter of the circular blade.

Claim 22 (withdrawn):

The machine of claim 21, wherein the machine is a table saw.

Claim 23 (withdrawn - currently amended):

The machine of claim 21, wherein the brake component is adapted to be pivoted into engagement with the outer perimeter of the circular blade.

Claim 24 (withdrawn - currently amended):

The machine of claim 21, wherein the brake component is adapted to be slid into engagement with the outer perimeter of the circular blade.

Claim 25 (withdrawn - currently amended):

The machine of claim 21, wherein the brake component is adapted to be rotated into engagement with the outer perimeter of the circular blade.

Claim 26 (withdrawn - currently amended):

The machine of claim 21, wherein at least a portion of the brake component is destroyed when the brake component engages and stops the circular blade.

Claim 27 (withdrawn - currently amended):

The machine of claim 1, wherein the brake component is adapted to be pivoted into engagement with the cutting tool.

Claim 28 (withdrawn):

The machine of claim 1, wherein the brake component is adapted to be slid into engagement with the cutting tool.

Claim 29 (withdrawn):

The machine of claim 1, wherein the brake component is adapted to be rotated into engagement with the cutting tool.

Claim 30 (withdrawn - currently amended):

The machine of claim 1, wherein at least a portion of the brake component is destroyed when the brake component engages and stops the cutting tool.

Claim 31 (new):

A woodworking machine comprising:

- a support frame;
- a motor supported by the frame;
- a cutting tool supported by the frame and moveable by the motor;
- a detection system adapted to detect a dangerous condition between a person and the cutting tool;
- a mechanism having a moveable component adapted to move upon detection of the dangerous condition by the detection system, where movement of the moveable component contributes to the mitigation or prevention of injury to the person, and
- an actuator having stored energy sufficient to start moving the moveable component within 3 milliseconds after the dangerous condition is detected.